

June 21, 1948.

Dr. Wilson S. Stone,
Dept. of Zoology,
University of Texas,
Austin.

Dear Dr. Stone,

I would be glad to comply with your request for Y-87 and other cultures for recombination studies. Unfortunately, something is amiss with our Y-87, and until we clean it up, there would be no point in sending it. I hope to have it available in a couple of weeks. As to other stocks: I am not clear what you are asking for. We have no other very useful triple biochemical or rather nutritional mutants - a biotin, phenylalanine, cystineless stock on which we once reported has been giving rather erratic results when its nutrition was retested. There is, however, a multiplicity of other markers that can be used, especially phage resistance, sugar fermentation and perhaps drug resistance. Some of the stocks already sent you have markers V_1^R , for resistance to phages T1 and T5. I am completing some work now on some other mutant types. Drug resistance as a genetic marker has never been too satisfactory, but moderately good results can be obtained with streptomycin, azide and chloroacetate. I am still occupied with exploring some of these as markers. If you want to use phages, I recommend that you write to Luria as my stocks on hand are not adequate to send high-titred suspensions out unless I work them up.

Of course I shall be interested to hear such results as you may accumulate. I must admit that I was slightly embarrassed to be questioned about your and Wyss' work on the radiation effects when I had no notion at all about it (after the Oak Ridge meetings). Yours sincerely,